HAWAII

Science and Engineering Profile

	Hawaii	U.S.	Rank		Hawaii	U.S.	Rank
Doctoral scientists, 1993	2,362	430,332	38	Total R&D performance, 1993 (millions)	$380	$161,427	39
Doctoral engineers, 1993	209	81,293	44	Industry R&D, 1993 (millions)	$255	$117,622	37
S&E doctorates awarded, 1993	127	25,409	37	Academic R&D, 1993 (millions)	$74	$19,489	40
of which, in social sciences	37%	15%		of which, in life sciences	40%	55%	
in life sciences	28%	24%		in physical sciences	30%	11%	
in physical sciences	13%	15%		in environmental sciences	14%	7%	
S&E postdoctorates, 1993				Higher education current-fund			
in doctorate-granting institutions	83	34,394	38	expenditures, 1993 (millions)	$693	$163,994	41
S&E graduate students, 1993				Number of SBIR awards, 1990-93	53	13,995	29
in doctorate-granting institutions	2,176	438,128	39	Patents issued to state residents, 1994	73	56,039	46
Population, 1994 (000s)	1,179	260,341	40	Gross state product, 1992 (billions)	$33.2	$5,994.1	38
Civilian labor force, 1994 (000s)	583	131,013	42	of which, agriculture	1%	2%	
				manufacturing, mining, construction	10%	23%	
Personal income per capita, 1994	$24,057	$21,809	7	transportation, communication, utilities	10%	9%	
				wholesale and retail trade	16%	16%	
Federal spending				finance, insurance, real estate	19%	18%	
Total expenditures 1994 (millions)	$7,603	$1,284,896	37	services	23%	20%	
R&D obligations 1993 (millions)	$113	$65,394	39	government	20%	12%	

Rankings and totals are based on data for the 50 States and D.C.

Federal Obligations for Research and Development in Hawaii by Agency and Performer: Fiscal Year 1993

[Thousands of dollars]

	Total	Federal intramural	All FFRDCs	Industrial firms	Universities & colleges	Other nonprofits	State & local government	State rank
Total, all agencies	113,005	41,703	0	11,873	49,100	9,486	843	39
Department of Agriculture	19,543	9,492	0	0	4,361	5,690	0	24
Department of Commerce	12,744	9,344	0	1,981	1,344	0	75	12
Department of Defense	23,538	11,572	0	8,681	3,275	10	0	36
Department of Energy	2,616	0	0	100	2,386	130	0	43
Dept. of Health & Human Services	18,330	0	0	513	14,247	3,370	200	41
Department of the Interior	13,869	11,216	0	0	2,653	0	0	14
Department of Transportation	568	0	0	0	0	0	568	47
Environmental Protection Agency	15	0	0	0	15	0	0	50
Nat'l Aeronautics & Space Admin.	8,388	79	0	448	7,861	0	0	28
National Science Foundation	13,394	0	0	150	12,958	286	0	29
State rank	39	34	na	44	36	27	49	

Federal R&D obligations are as reported by funding agencies.
FFRDC = federally funded research and development center
SBIR = small business innovation research
na = not applicable

Prepared by the National Science Foundation/Division of Science Resources Studies. Data compiled from numerous sources.